UNITED STATES OPEN FILE REPORT 79-1029 BITTER CREEK QUADRANGLE PLATE 18 OF 19 DEPARTMENT OF THE INTERIOR WYOMING-SWEETWATER CO. GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) 4267 II NE (BITTER CREEK NE) 108° 37′ 30″ R. 100 W R. 99 W. **EXPLANATION** RB R(50%) 1.79 0.89 2.70 1.35 0.10 0.05 NON-FEDERAL COAL LAND - Land for which the Federal Government does not own the coal R(50%) 1.48 0.34 RB 2.96 0.68 RB 3.76 6.78 R(50%) 1.88 3.39 19 20 23 ISOPACH - Showing thickness of coal, in feet. Arrow points toward area where coal NOTE: bed is 5 feet or more thick. Areal distribution and identified resources are not drawn beyond dotted RB 0.46 1.06 R(50%) 0.23 0.53 line because of insufficient data. TRACE OF FAULT - Bar and ball on downthrown side when direction of movement is known. Dashed where inferred or approximately located. M COAL BED SYMBOLS AND NAMES - Coal beds identified by bracketed numbers are not formally named, but are numbered for identification purposes in this quadrangle R(50%) 26 I 1.05 2.83 30 RB 2.10 5.67 28 RB R(85%) 25 0.23 0.27 STRIPPING-LIMIT LINE - Boundary for surface mining (in this quadrangle, the 200-foot-overburden isopach). Arrow points toward the area suitable for surface mining where the recovery factor is 85 percent, and away from the area suitable for subsurface mining (down dip to the 3,000-foot-overburden isopach) where the recovery factor is 50 percent RB R(50%) 0.06 0.03 percent. R(85%) RB R(50%) — 3.36 1.68 (Measured) 0.23 6.38 3.19 (Indicated) 0.10 (Inferred) IDENTIFIED COAL RESOURCES - Showing totals 35 32 33 31 34 for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part of section of non-leased Federal coal land. Reserve (R) tonnage is calculated Inf by multiplying the Reserve Base (RB) tonnage by the appropriate recovery R(50%) factor. Dash indicates no resource in that category. 1.55 0.77 -0.68 0.34 RB R(50%) 4 0.15 0.07 RB 3.88 3.29 R(50%) 3/4-mile radius 1.94 resources (M) Areal distribution and identified resources map of the Gibraltar coal bed R(50%) Indicated 0.67 resources (I) 1.35 4.22 2.11 2.74 1.37 12 R(50%) 1.68 3.19 0.10 3.36 6.38 0.20 RB R(50%) 0.68 0.34 0.89 0.44 Inf - 32'30" Inf 18 Inferred resources (Inf) RB 1.79 6.24 1.06 R(50%) 0.89 3.12 0.53 Inf Inf R(50%) 1.21 0.60 R(50%) 0.17 0.48 0.15 Inf 24 19 21 23 24 RB R(50%) 0.49 0.24 4.18 2.09 1.77 0.88 RB R(50%) 0.78 0.39 4.57 2.28 1.25 0.62 Inf RB 0.04 0.60 0.37 R(50%) 0.02 0.30 0.18 BOUNDARY LINES - Enclosing areas of measured (M), indicated (I), and inferred (Inf) coal resources. To convert feet to meters, multiply feet by 0.3048. 0.40 4.30 R(50%) 0.97 0.48 0.03 To convert short tons to metric tons, multiply short tons by 0.9072. Inf 28 30 26 To convert miles to kilometers, multiply miles by 1.6093. 25 RB 0.03 0.58 Inf Inf (ANTELOPE FLATS)
42661NE 32'30" 108° 30′ Base from U.S. Geological Survey, 1968 SCALE 1:24000 Compiled in 1977/1978 WYOMING This report has not been edited QUADRANGLE LOCATION for conformity with U.S. Geological Survey editorial standards or

COAL RESOURCE OCCURRENCE MAP OF THE BITTER CREEK
QUADRANGLE, SWEETWATER COUNTY, WYOMING
BY
DAMES & MOORE

1979

PLATE 18

stratigraphic nomenclature.

AREAL DISTRIBUTION AND IDENTIFIED RESOURCES MAPS OF THE FORT UNION [9] AND THE GIBRALTER COAL BEDS